

8 July 1963

MEMORANDUM FOR THE RECORD

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SUBJECT: Trip Report - 30 June 1963 through 6 July 1963 at [REDACTED]

PURPOSE OF VISIT: To attend a one week training course at [REDACTED] to learn to operate the experimental model of the Multiple Image Correlator

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[REDACTED]

2. I experienced no particular difficulty in learning to perform correlation using the optical alignment technique which is built into the machine. However, it is a rather tedious procedure requiring patience and manual dexterity. Several weeks of practice would probably be necessary to become proficient with the machine in its present form.

3. I performed correlation with three different sets of photography consisting of eight pictures per set. A photographic record of the resulting correlation was made for each of the three sets.

4. Electronic alignment was not used in accomplishing the above correlation. The present circuitry was attached to only two of the eight projection heads. Electronic alignment was demonstrated to me, using AF resolution targets in these two projectors. It is my understanding that the circuitry is not yet sufficiently perfected to permit anyone, other than possible the development engineers, to use it for final alignment of continuous tone photography.

5. If this equipment is delivered in good operating condition I am confident that I can operate it satisfactorily to demonstrate multiple image correlation by optical means. However, any attempt to demonstrate the use of electronic techniques for final image alignment would have to be performed by [REDACTED] personnel.

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Declass Review by NIMA/DOD